

THE PORT AUTHORITY
OF NY & NJ



ORIGINAL SIGNED & SEALED BY
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I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT
COPY OF ONE OF THE CONTRACT DRAWINGS FOR
SITING A PART OF CONTRACT NO. WTC-945-071
IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT
THE TIME THE SAID CONTRACT WAS EXECUTED BY
THE PARTIES.

DATE 11/16/98 *William A. Hillman*
DATE 4/10/98 *F.R. Vannoy*
ENGINEER OF DESIGN

12/12/97 REVISIONS
(NEW DRAWING)
11/17/97 ISSUED FOR BID

No. Date Revision Approved
Engineering Department
Design Division

**The
World
Trade
Center**

**STANDBY POWER
5 WORLD TRADE CENTER**

ELECTRICAL

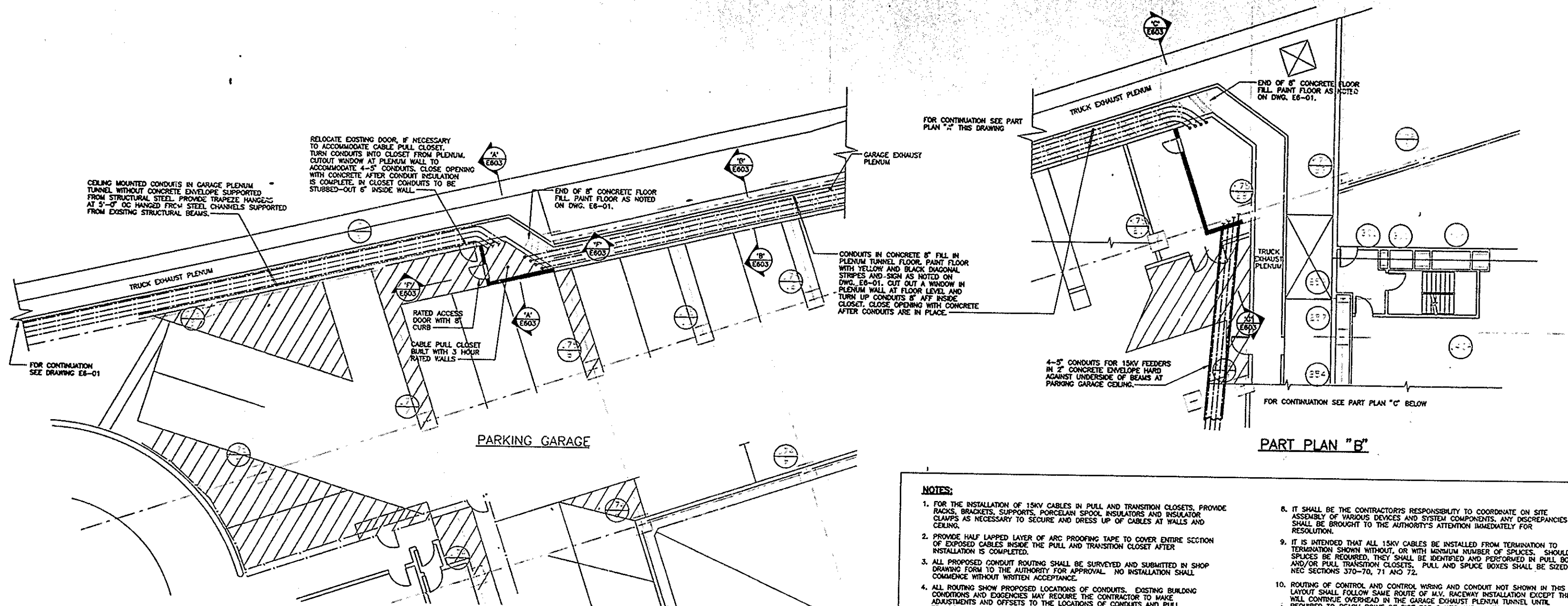
**B2 LEVEL PART
PLANS 15KV FEEDER
ROUTING**

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and
may not be used without its written consent.

F.F.P. M.A.R.
Designed by Drawn by Check by

Date 11/17/97 Scale AS NOTED

Contract Number WTC-945-071 Drawing Number E6-04



- NOTES:**
1. FOR THE INSTALLATION OF 15KV CABLES IN PULL AND TRANSITION CLOSETS, PROVIDE
RACKS, BRACKETS, SUPPORTS, PORCELAIN SPOOL INSULATORS AND INSULATOR
CLAMPS AS NECESSARY TO SECURE AND DRESS UP OF CABLES AT WALLS AND
CEILING.
 2. PROVIDE HALF LAPPED LAYER OF ARC PROOFING TAPE TO COVER ENTIRE SECTION
OF EXPOSED CABLES INSIDE THE PULL AND TRANSITION CLOSET AFTER
INSTALLATION IS COMPLETED.
 3. ALL PROPOSED CONDUIT ROUTING SHALL BE SURVEYED AND SUBMITTED IN SHOP
DRAWING FORM TO THE AUTHORITY FOR APPROVAL. NO INSTALLATION SHALL
COMMENCE WITHOUT WRITTEN ACCEPTANCE.
 4. ALL ROUTING SHOW PROPOSED LOCATIONS OF CONDUITS. EXISTING BUILDING
CONDITIONS AND EXISTENCES MAY REQUIRE THE CONTRACTOR TO MAKE
ADJUSTMENTS AND OFFSETS TO THE LOCATIONS OF CONDUITS AND PULL
TRANSITION CLOSETS.
 5. PROVIDE FIRE PROOFING OF ALL CONDUIT INSTALLATION PASSING THROUGH FIRE
RATED WALLS.
 6. WHERE EXISTING CONSTRUCTION MUST BE REMOVED FOR INSTALLATION OF WORK,
REPAIR, PATCHING AND RELOCATION SHALL BE DONE IN AN APPROVED MANNER BY
TRADESMEN SKILLED IN THE EXECUTION OF THE PARTICULAR TRADE.
 7. INSTALL ALL 15KV FEEDER CABLES FURNISHED BY THE AUTHORITY TO REQUIRED
LOCATIONS AS SHOWN ON DRAWINGS. TERMINATE CABLES IN SWITCHGEAR AND
CABINETS AS INDICATED.
 8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ON SITE
ASSEMBLY OF VARIOUS DEVICES AND SYSTEM COMPONENTS. ANY DISCREPANCIES
SHALL BE BROUGHT TO THE AUTHORITY'S ATTENTION IMMEDIATELY FOR
RESOLUTION.
 9. IT IS INTENDED THAT ALL 15KV CABLES BE INSTALLED FROM TERMINATION TO
TERMINATION SHOWN WITHOUT, OR WITH MINIMUM NUMBER OF SPLICES. SHOULD
SPLICES BE REQUIRED, THEY SHALL BE IDENTIFIED AND PERFORMED IN PULL BOXES
AND/OR PULL TRANSITION CLOSETS. PULL AND SPLICE BOXES SHALL BE SIZED PER
NEC SECTIONS 310-10, 71 AND 72.
 10. ROUTING OF CONTROL AND CONTROL WIRING AND CONDUIT NOT SHOWN IN THIS
LAYOUT SHALL FOLLOW SAME ROUTE OF M.V. RACEWAY INSTALLATION EXCEPT THEY
WILL CONTINUE OVERHEAD IN THE GARAGE EXHAUST PLENUM TUNNEL UNTIL
REQUIRED TO REACH POINT OF RISE FOR 2 WTC AND 1 WTC.

